



Interoffice Memo  
Office of Design Policy & Support

DATE: 8/27/2021

FILE: P.I.# 0013895, 0013896 & 0013897  
Gwinnett County / GDOT District 1 - Gainesville  
S.R. 316 From East of Cedars Road to West of Sugarloaf Parkway Interchange –  
2 Grade separated interchanges

FROM: *Dane Peters*  
for R. Christopher Rudd, PE, State Design Policy Engineer

TO: SEE DISTRIBUTION

SUBJECT: APPROVED LOCATION & DESIGN REPORT

Attached is the approved Location and Design Report with Notice of Location & Design Approval for the above subject project.

Attachment

Distribution:

Hiral Patel, Director of Engineering  
Joe Carpenter, Director of P3  
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Darryl VanMeter, Assistant Director of P3/State Innovative Delivery Administrator  
Matthew Markham, Deputy Director of Planning  
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SueAnne Decker, District 1 Preconstruction Engineer  
Shannon Giles, Area Manager - D1, A1  
Jonathan DiGioia, Project Manager  
BOARD MEMBER - 7th Congressional District



## Location and Design Report

**DATE:** 8/16/2021

**FILE:** P.I.# 0013895, 0013896 and 0013897  
Gwinnett County / GDOT District 1 - Gainesville  
S.R. 316 From East of Cedars Road to West of Sugarloaf Parkway Interchange

*Jason W. Mobley* FOR:

**FROM:** Kimberly W. Nesbitt, State Program Delivery Administrator  
Office of Program Delivery

**TO:** R. Christopher Rudd, P.E., State Design Policy Engineer  
Attn: Dave Peters, P.E., State Conceptual Design Group Manager

**SUBJECT:** Request for Location and Design Approval

### **Description and Project Proposal:**

The proposed project will convert the traditional signalized intersections on SR 316 at Hurricane Trail and SR8/US29/Winder Highway to grade-separated interchanges to provide free flow/interstate operations on SR 316. Fence Road will have its access closed to SR 316 and will be relocated to connect with Winder Highway. The project is grouped together as PI Nos. 0013895, 0013896, and 0013897 so that the interchanges are connected together, and construction work completed at one time over the approximate three-mile section. Construction will be to the outside of the existing SR 316 lanes and traffic shifted onto the new SR 316 lanes after completion of the interchanges. No additional lanes are being added to SR 316.

The proposed mainline SR 316 typical section would consist of two 12-foot travel lanes in each direction, variable 44-ft to 218.5-ft depressed grassed median (future mainline SR 316 EB and WB), 14-foot wide outside shoulders (12-foot paved and 2-foot grass) and 12-foot wide inside shoulders (10-foot paved and 2-foot grass).

### P.I. Number 0013895 – SR 316 at Hurricane Trail

This project includes the construction of SR 316 east of Cedars Road to approximately 0.2 miles east of the existing Fence Road access to SR 316. This section of limited access arterial includes the interchange at Hurricane Trail, Hurricane Shoals Road, and the private road to provide access for the commercial property (Goodwin Ammonia Company) within the project limits. The Hurricane Trail Bridge will span over existing SR 316 and the proposed C-D lanes. The Hurricane Trail at SR 316 interchange is a partial diamond/clover interchange configuration. The clover portion of the interchange, north side of SR 316, utilizes undeveloped property to provide key movements while limiting displacements to commercial developments. In the same way, the diamond portions south side of SR 316, provides a compact interchange format to provide access between existing SR 316 and the CSX rail line/yard to the south. SR 316 will remain approximately at its current grade and requires two bridges (SR 316 EB and WB) spanning over CSX Railroad. Hurricane Trail will be raised approximately 27 feet and widened to include

two – 12-foot travel lanes with a flush 14-foot median. The project length is approximately 1.4 miles.

P.I. Number 0013896 – SR 316 at Fence Road

This project includes the closure of the existing Fence Road intersection with SR 316 and construction of Fence Road Connector between existing Fence Road to the west and the ramp terminus of SR 316 ramps with US 29/SR 8 Winder Hwy to the east. Fence Road Connector aligns with the existing QT driveway access to US 29/SR 8 Winder Hwy. The Fence Road Connector Bridge will span over existing CSX Railroad. MSE walls will be used at both bridge approaches due to the alignment proximity to the existing cemetery and businesses. The project length is approximately 0.2 miles.

P.I. Number 0013897 – SR 316 at SR 8/US 29/Winder Highway

This project includes the construction of SR 316 just east of Fence Road to west of Sugarloaf Parkway interchange. This section of limited access arterial includes the interchange at US 29/SR 8 Winder Hwy and reconstruction of Stanley Road to close access to US 29/SR 8 Winder Hwy. The SR 316 interchange with US 29/SR 8 Winder Hwy is an east facing clover interchange due to the existing CSX railroad line to the west. US 29 / SR 8 Winder Hwy will be raised approximately 28 ft, requiring a bridge to span over SR 316. MSE walls will be used at both US 29 / SR 8 Winder Hwy bridge approaches. One new bridge (SR 316 EB) will be constructed to span C-D lanes over existing Colonial Pipeline crossing. The project length is approximately 1.0 miles.

**Concept Approval Date:** January 13, 2020

**Concept Update:** Direct access from Stanley Road to SR 8/US 29/Winder Highway is blocked by the new interchange, so Stanley Road will be relocated on new location to connect with SR 8/US 29/Winder Highway. The Stanley Road typical will be one 12-foot lane in each direction with rural shoulders. Also Fence Road was modified to remove the T-Intersection and provide a continuous alignment to SR 8/US29/Winder Highway with a driveway provided to Publix. The bridge east of Hurricane Trail was replaced with an MSE wall to reduce right of way impacts.

**Environmental Document Type:** GEPA - No Document **Approval Date:** N/A


*The proposed project is state funded and is not expected to exceed \$100 million in costs. Therefore, a GEPA document is not required.*

**Public Involvement:**

- Public Information Open House (PIOH) Summary:
  - A virtual PIOH was held between November 24, 2020 and January 08, 2021.
  - A total of **11,942** people viewed the virtual open house. Of the **166** respondents who formally commented, **110** were in strong support of the project, 16 were in support of the project, **9** were opposed, 11 were strongly opposed, **10** were neutral, and **10** did not record a response.
  - The major concern was the closure of Cedars Road to the south of SR 316 included in the PI 0013894 proposed improvements and the subsequent impacts this would have on commuters, residential neighborhoods, tractor-trailer trucks, the Gwinnett Progress Center and businesses, and adjacent roadways and intersections.
  - No project changes were made as a result of the comments received during the virtual PIOH.

**Consistency with Approved Planning:** The design description as presented herein and submitted for approval is consistent with the approved Concept Report.

**Recommendations:** Recommend that the location and design for the project be approved and that the attached Notice be approved for advertising.

**Concur:**  8/23/2021  
GDOT Director of Engineering Date

**Approve:** \_\_\_\_\_ 8/25/2021  
For GDOT Chief Engineer Date

**DATE OF LOCATION AND DESIGN APPROVAL:**

August 27, 2021

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(To be entered by State Conceptual Design  
Group Manager)

Attachments:

- Location Map
- Notice of Location and Design Approval



# **NOTICE OF LOCATION AND DESIGN APPROVAL**

## **P.I. 0013895, 0013896 and 0013897**

### **GWINNETT COUNTY**

Notice is hereby given in compliance with Georgia Code 22-2-109 and 32-3-5 that the Georgia Department of Transportation has approved the Location and Design of this project.

The date of location and design approval is: **August 27, 2021**

The proposed project will convert the traditional signalized intersections on SR 316 at Hurricane Trail and SR8/US29/Winder Highway to grade-separated interchanges to provide free flow/interstate operations on SR 316. Fence Road will have its access closed to SR 316 and will be relocated to connect with Winder Highway. The proposed project is approximately 3-miles in length and is east of the city limits of Lawrenceville located along SR 316 approximately 0.1-mile east of the Cedars Road intersection and ends west of the Sugarloaf Parkway interchange east in Land Districts 5 and 7.

The project is grouped together as PI Nos. 0013895, 0013896, and 0013897 so that the interchanges are connected together, and construction work completed at one time over the approximate three-mile section. Construction will be to the outside of the existing SR 316 lanes and traffic shifted onto the new SR 316 lanes after completion of the interchanges. No additional lanes are being added to SR 316. Project construction would require one detour with multiple routes for an approximate duration of nine to twelve months.

Drawings or maps or plats of the proposed project, as approved, are on file and are available for public inspection at the Georgia Department of Transportation:

Shannon Giles, Area Manager  
District 1, Area 1  
[SGiles@dot.ga.gov](mailto:SGiles@dot.ga.gov)  
2594 Gillsville Hwy  
Gainesville, GA 30507  
770-531-5880

Any interested party may obtain a copy of the drawings or maps or plats or portions thereof by paying a nominal fee and requesting in writing to:

Kimberly W. Nesbitt  
State Program Delivery Administrator  
Attn: Jonathan DiGioia  
[JDigioia@dot.ga.gov](mailto:JDigioia@dot.ga.gov)  
600 West Peachtree St NW  
Atlanta, GA 30308  
678 808-8842

Any written request or communication in reference to this project or notice SHOULD include the Project and P. I. Numbers as noted at the top of this notice.